ABSTRACT OF THE DISCLOSURE

Offloading specific processing tasks that would otherwise be performed in a computer system's processor and memory, to a peripheral device. The computing task is then performed by the peripheral, thereby saving computer system resources for other computing tasks. In one preferred embodiment, the disclosed method is utilized in a layered network model, wherein computing tasks that are typically performed in network applications are instead offloaded to the network interface card (NIC) peripheral.

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Docket No. 13768.69.1.1